

D²

ABSTRACT

A device for counting and measuring particles provides an analysis of the particle characteristics and includes a processing system 27, comprising a control subsystem 13, including a microprocessor subsystem 20 and a terminal devices 21, an analog-digital subsystem 14, comprising an amplifier 15 and a pulse former 24, and a light detecting system 11, providing particle detection. An improved device determines the size of particles by the quantity of the strobe pulses of the strobe pulse sequence within each strobe pulse pack, formed from the amplified and converted output of the light detecting system 11. The quantity of the identical strobe pulse packs characterizes the quantity of the particles with an appropriate identical size.

1